

Mixed Minefield Alternative



RApid Tactical Terrain LimitER

Capabilities

Emplaced by current Volcano System

Compared to Volcano Minefield

Greater Anti-Tank effectiveness

Greater Anti-Personnel effectiveness

No increase in logistics or force structure

No change in employment doctrine needed

Self-locating

Self-reporting of location and status to digital battlefield

Improved situation awareness

Self-destructing

**Complies with Convention on Certain Conventional
Weapons (CCCW) and the Ottawa Convention**

Enabling Technologies/Capabilities

Fusion of mixed sensors for target alert/classification

Advanced communications to each sensor and AT mine

Autonomous engagement by AT mines

GPS for minefield location

**Central controller to allow man-in-the-loop (MITL)
application of lethal AP effects**

**Controller is laptop with map based displays, embedded
reporting, test and training and user friendly
decision assistance**

**MITL controls multiple minefields with negligible
system latency**

Follow On Capabilities

Command Destruct

Command Arm

Command On/off

Friend / Foe Identification

Extended Life

Emplaced by

High Performance Aircraft (GATOR – like)

Artillery (Cannon or Rocket ?)



BAE SYSTEMS



Follow-on Enablers

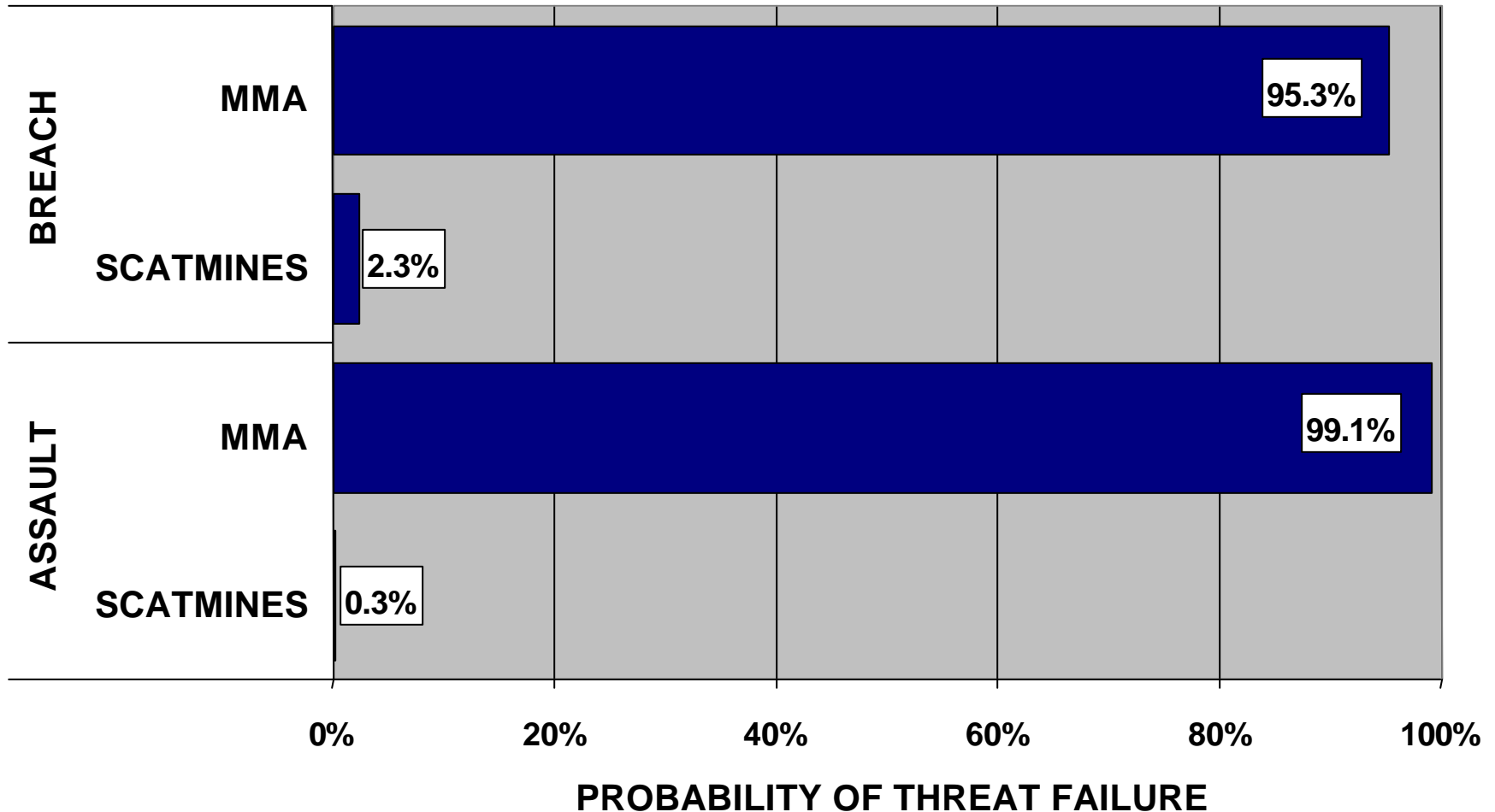
Electronic Safe/Arm

Assured Close and Far Range Communications

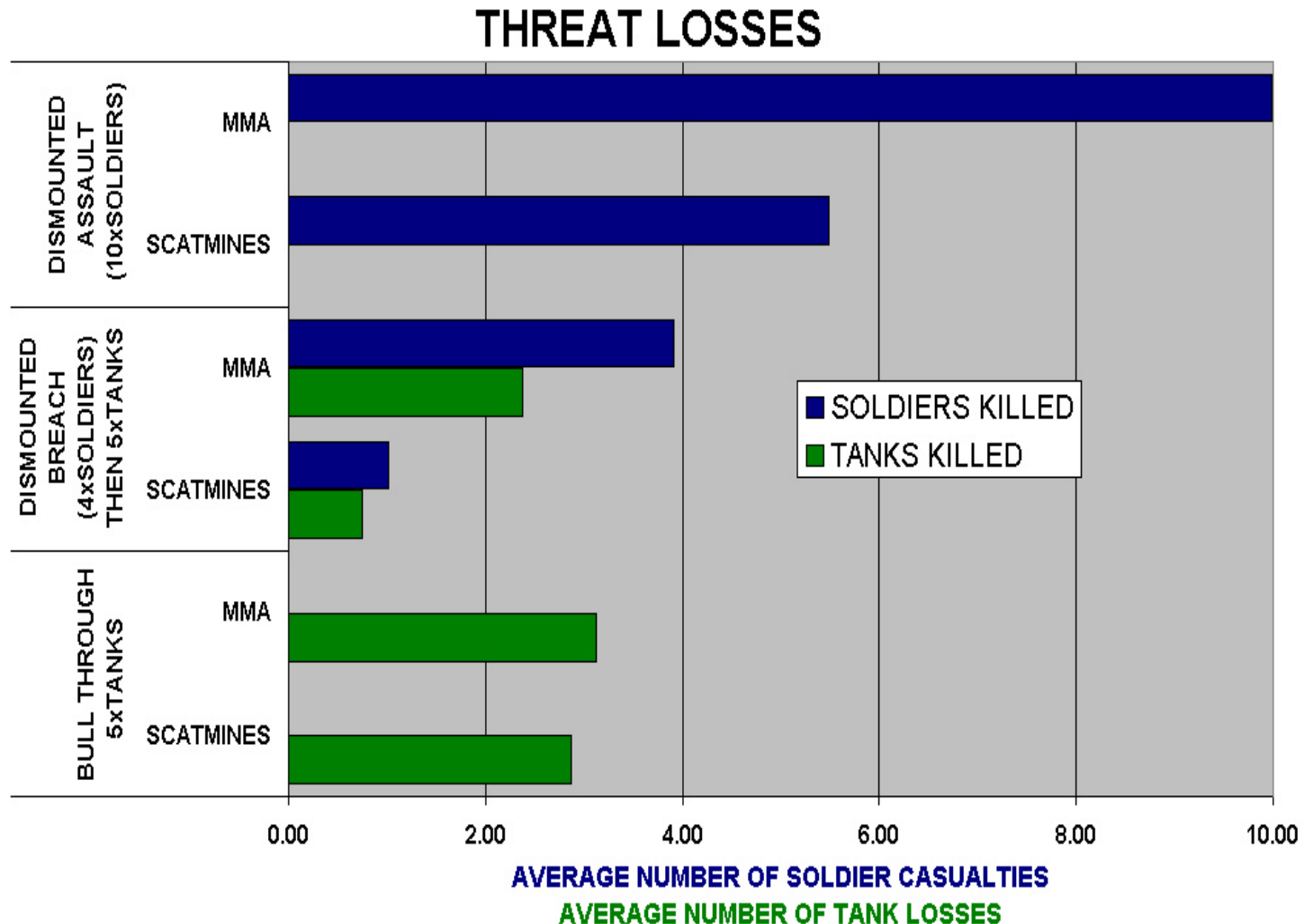
Combat ID Technologies

Advanced Sensors

EFFECTIVENESS OF MMA COMPARED TO SCATMINES



COMPARISON OF MMA TO SCATMINES



Long Term Capabilities

Reduced Logistics

Non Lethal Capabilities

Recovery / Reuse